AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning on page 1, line 12 of the specification with the following amended paragraph:

Generally, in a transmission network system, since a network element management system processes [[a]] real-time data, a status of a network element (hereinafter referred to as NE) must be analyzed accurately and rapidly for thereby reporting to the network element management system.

Please replace the paragraph beginning on page 3, line 1 of the specification with the following amended paragraph:

To achieve the above object, the present invention, in a DB synchronization apparatus of a transmission network system which includes a plurality of NEs and a EMS, comprises the . Ech of the NEs each of which includes a common memory in which DB information and alarm state information are rearranged; provided and a sync-related memory of the same pattern as the common memory for maintaining DB identity with the EMS, and the . The EMS which includes a EMS sync-related memory for storing the DB and the information of the synch-related memory memories of the plurality of NEs, and a EMS common memory corresponding to the common memory of the NE.

Please replace the paragraph beginning on page 3, line 10 of the specification with the following amended paragraph:

In addition, in a method for DB synchronization in a transmission network which includes a plurality of NEs and a EMS, the NE compares the current status memory (common memory) with the previous status memory (related memory) in block unit units, and transmit transmits the position and information of a modified block to the EMS and copy copies the same for thereby applying DB synchronization periodically.

3

Please replace the paragraph beginning on page 5, line 1 of the specification with the following amended paragraph:

Each of the NEs is comprised of the same DB ~~130~13n~~130_0-130_n as the conventional methods, a common memory (hereinafter referred to as NE_CM) ~~150~15n~~150_0-150_n in which DB information and alarm state information ~~according to the present invention~~ are rearranged, and a sync-related memory (hereinafter referred to as NE_RM) ~~140~14n~~140_0-140_n which is a memory of the same pattern as the NE_CM ~~150~15n~~150_0-150_n for maintaining DB identity with the EMS.

Please replace the paragraph beginning on page 5, line 10 of the specification with the following amended paragraph:

Figure 3 illustrates a data format according to the present invention. After comparing a NE_CM ~~150~15n~~150_0-150_n and a corresponding NE_RM ~~140~14n~~140_0-140_n in block unit, a series of data can be divided into a header bit ~~which~~ field, an EndFlag bit field and a data bit field. The header bit field stores the sequence (i) of the corresponding block ~~If NE-CM~~ if NE_CM data and NE_RM data are not identical~~, a~~. The EndFlag bit ~~which indicates~~ field is a 1 if a transmitted data is the last block, or ~~which indicates~~ is a 0 if a transmitted data is not the last block~~, and a~~. The data bit ~~in which a~~ field contains real transmitted data ~~is contained~~.

Please replace the paragraph beginning on page 6, line 19 of the specification with the following amended paragraph:

First, when the system of the NEs is driven in step S301, the NE_CM is configured according to the DB information and the current alarm state, and, at the same time, the ~~NR-RM~~ NE_RM waits a synchronization request signal (SYNC_REQ) or a resynchronization request signal (RESYNC_REQ) from the EMS after the initialization in step S302.

Please replace the paragraph beginning on page 9, line 4 of the specification with the following amended paragraph:

The resynchronization step is performed aperiodically (aperiodically eight times for 30 minutes) for a certain time after the error occurrence. In the case that the error is not recovered even after the above resynchronization step, the routine ~~passe~~ passes to the manual synchronization step.